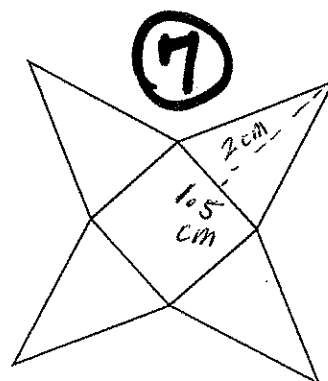
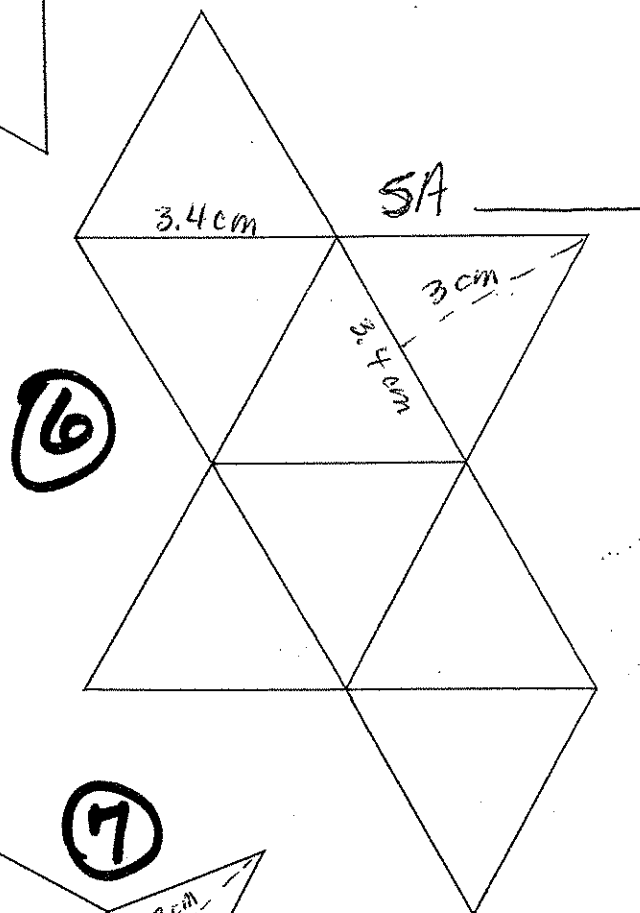
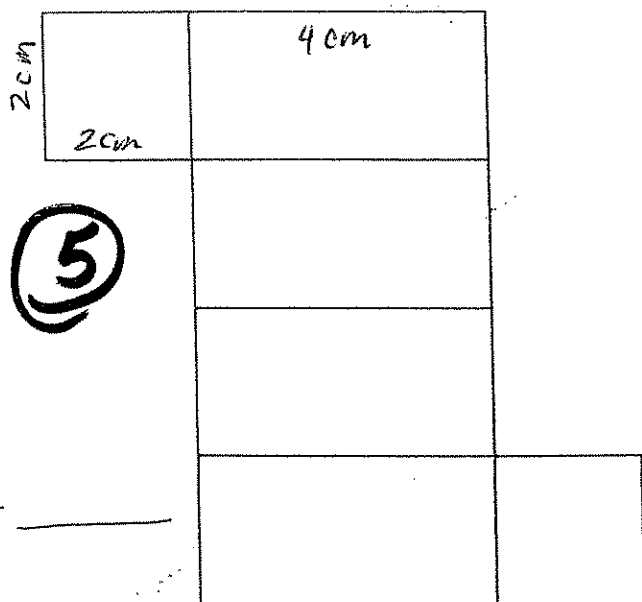
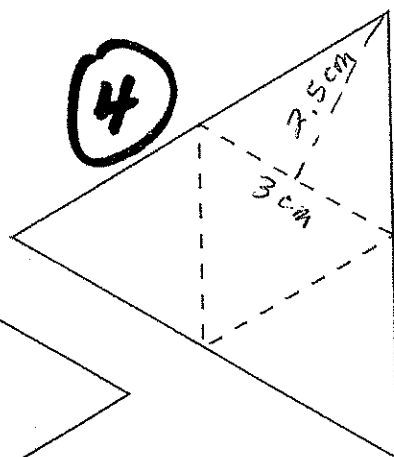
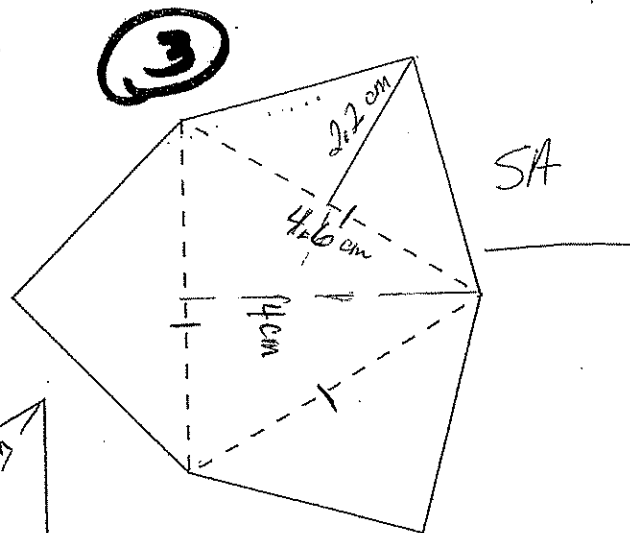
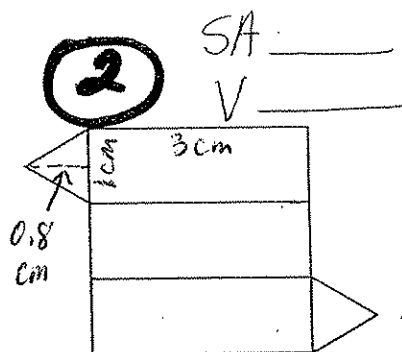
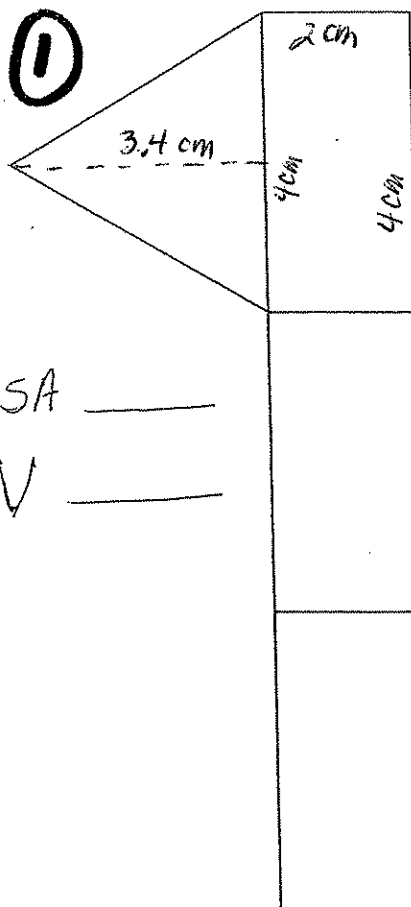


Nets for Solids


NAME _____



Dynamic Paper

NAME

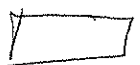
Key

① \overline{SA}
 $4 \times 2 = 8 \times 3 = 24$ ^{faces}

\triangle $4 \times 3.4 = \frac{13.6}{2} = 6.8 \times 2 = 13.6$
 2 faces

$$SA = \begin{array}{r} 24 \\ + 13.6 \\ \hline 37.6 \text{ cm}^2 \end{array}$$

Vol. $\frac{b \times h}{2} \times h$ $\frac{3.4 \times 4}{2} \times 2$ $V = 13.6 \text{ cm}^3$
 $B \times h$ $6.8 \times 2 =$

② $\overline{SA} =$
 $3 \times 1 = 3 \times 3 = 9 \text{ cm}^2$ ^{faces}

\triangle $\frac{1 \times 0.8}{2} = \frac{0.8}{2} = (0.4) \times 2 = 0.8$ _{bases}

$$SA = \begin{array}{r} 9 \\ + 0.8 \\ \hline 9.8 \text{ cm}^2 \end{array}$$

Vol. $\frac{1 \times 0.8}{2} \times 3 = 0.4 \times 3 = 1.2 \text{ cm}^3$

③ $SA = \frac{4 \times 4.6}{2} + 3 \left(\frac{4.6 \times 2.2}{2} \right) = 9.2 + 15.18 = 24.38 \text{ cm}^2$ ^B ^{3 faces}

④ $SA = 4 \left(\frac{3 \times 2.5}{2} \right) = 4(3.75) = 15 \text{ cm}^2$

tetrahedron

5) SA

$$\begin{aligned} 2 \square &= 2(2 \times 2) = 2(4) = 8 \text{ cm}^2 \\ 4 \square &= 4(2 \times 4) = 4(8) = 32 \text{ cm}^2 \end{aligned} \left\} \text{SA} = 40 \text{ cm}^2$$

Vol.

$$2 \times 2 \times 4 = 16 \text{ cm}^3$$

6) SA $8\left(\frac{3 \times 3.4}{2}\right) = 8(5.1) = 40.8 \text{ cm}^2$

Icosahedron

7) SA

$$\square 1.5 \times 1.5 = 2.25 \text{ cm}^2$$

4 faces $\triangle \left(\frac{1.5 \times 2}{2}\right)(4) = \frac{3}{2}(4) = 6 \text{ cm}^2$

$$\begin{array}{r} 2.25 \\ 6 \\ \hline 8.25 \text{ cm}^2 \end{array}$$